

Pg. 195 #1-4

1. (a) sodium, Na
- (b) boron, B
- (c) copper, Cu
- (d) iodine, I

2. (a) Period 3, Group 2
- (b) Period 3, Group 14
- (c) Period 3, Group 17
- (d) Period 1, Group 18
- (e) Period 6, Group 11
- (f) Period 6, Group 14

3. Physical properties of alkali metals:

Shared

- malleable and ductile
- silver-grey colour
- conduct electricity
- low melting points
- soft

Contrasting

- increase in density from top of periodic table to bottom
- increase in softness from top of periodic table to bottom
- decrease in melting point from top of periodic table to bottom

4.

Property	Halogens	Noble gases
physical		
state at room temp.	most are gases	gases
colour	distinctive	colourless
chemical		
reactivity	very reactive	non-reactive